

<b>INFORMATION DISCLOSURE CITATION</b> (Use several sheets if necessary)				Docket Number (Optional) <b>API-0002</b>		Application Number <b>10/716,175</b>	
				Applicant(s) <b>CHEN, et al.</b>			
				Filing Date <b>November 18, 2003</b>		Group Art Unit <b>1625</b>	

  

U.S. PATENT DOCUMENTS							
EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
CA		3,699,110	10/17/1972	Dixon			
CA		4,082,765	04/04/1978	Kirkpatrick			
CA		6,060,484	05/09/2000	Fritz et al.			

  

FOREIGN PATENT DOCUMENTS								
EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
							YES	NO

  

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)		
CA	1	International Search Report dated 04/05/2004 - International Application No. PCT/US03/36809, International Filing Date 18/11/2003
CA	2	Douglass, Irwin B., et al "Some Derivatives of Benzoyl and Furoyl Isothiocyanates and their Use in Synthesizing Heterocyclic Compounds", Journal of the American Chemical Society, vol. 56, no. 3, March 1934 (1934-03), pages 719-721, American Chemical Society, Washington, DC

  

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CA	3	Goerdeler, J., et al. "Das dualistische Verhalten von Carbamoyl-isothiocyanaten, I", Liebigs Annalen Der Chemie, vol. 731, 1970, pages 120-141, Verlag Chemie, Weinheim, DE
CA	4	Goerdeler, J. et al., "Über Thioacyl-isocyanate, V. Substituierte Thiazolin-dione-(4.5) und ihre thermische Spaltung in Isocyanate und Senföle" Chemische Berichte, vol. 99, no. 11, 10 November 1966 pages 3572-3581, Verlag Chemie, Weinheim, DE
CA	5	Kulka, Marshall, "Base-catalysed ring opening of N-(aminothioxomethyl-5,6-dihydro-2-methyl-1, 4-oxathiin-3-carboxamides" Canadian Journal of Chemistry, vol. 58, no. 19, 1 October 1980, pages 2044-2048, National Research Council, Ottawa, CA
CA	6	Kutschy, P., et al., "Synthesis of some analogues of indole phytoalexins brassinin and methoxybrassinin B and their positional isomers" Collection of Czechoslovak Chemical Communications, vol. 64, no. 2, February 1999, pages 348-362
CA	7	Matosiuk, Dariusz, et al., "Synthesis of new 1-aryl-3-piperidinylcarbonylimidazolidine-2-ones and 2-thiones" Acta Poloniae Pharmaceutica - Drug Research, vol. 53, no. 1, 1996, pages 75-77, Polish Pharmaceutical Society, Warsaw, PL
CA	8	Matsuo, Masaaki, et al., "New 2-aryliminoimidazolidines. I. Synthesis and antihypertensive properties of 2-(2-phenoxyphenylimino)imidazolidines and related compounds" Chemical and Pharmaceutical Bulletin, vol. 33, no. 10, October 1985, pages 4409-4421.
CA	9	Mukmeneva, N.A., et al., "3-Benzoylthiourea derivatives as antioxidants for polymers" Russian Journal of Applied Chemistry, vol. 67, no. 4, April 1994, pages 565-567, Consultants Bureau, New York, NY
CA	10	Otazo-Sanchez, Elena, et al., "Aroylthioureas: new organic ionophores for heavy-metal ion selective electrodes" Journal of the Chemical Society, Perkin Transactions 2, no.11, November 2001, pages 2211-2218, Royal Society of Chemistry, Letchworth, GB
CA	11	Reynaud, P., et al., "Préparation de quelques p-alcoxy-benzoyl-1 p-alcoxyphenyl-3 thiourees: leur activité <in vitro> et <in vivo> sur la souche H37RV du bacille tuberculeux" Chimica Therapeutica, no. 7, November 1966, pages 421-424, Societe D'Etudes De Chimie Therapeutique, Paris, FR
CA	12	Sengupta, Anil K., et al, "Studies on potential pesticides, Part V. Synthesis of some new aryl ureas and thioureas and their insecticidal activity" Journal of the Indian chemical Society, vol. 53, no.1, January 1976, pages 203-204, Indian Chemical Society, Calcutta, IN
CA	13	Seth, Punit P., et al, "Efficient solution phase synthesis of 2-(N-acyl)-aminobenzimidazoles" Tetrahedron Letters, vol. 43, no. 41, 7 October 2002, pages 7303-7306, Elsevier Science Publishers, Amsterdam, NL
CA	14	Shearer, Barry G., et al., "Substituted N-phenylisothioureas: potent inhibitors of human nitric oxide synthase with neuronal isoform selectivity" Journal of Medicinal Chemistry, vol. 40, no. 12, 6 June 1997, pages 1901-1905, American Chemical Society, Washington, DC

  

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INITIAL

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

CA

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Taniguchi, Kiyoshi, et al., "New 2-aryliminoimidazolidines. II. Synthesis and antihypertensive activity of 2-(biphenylimino)imidazolidines" Chemical and Pharmaceutical Bulletin, vol. 40, no. 1, January 1992, pages 240-244, Pharmaceutical Society of Japan, Tokyo, JP

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## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
CA		3,931,244	01/06/1976	Archibald et al.			
CA		4,160,037	07/03/1979	Kangars			
CA		4,533,676	08/06/1985	Sirrenberg et al.			
CA		4,607,044	08/19/1986	Wellings et al.			
CA		4,638,088	01/20/1987	Chou et al.			
CA		4,659,736	04/21/1987	Schluter et al.			
CA		4,665,097	05/12/1987	Cain			
CA		4,707,478	11/17/1987	Studt et al.			
CA		4,774,260	09/27/1988	Sirrenberg et al.			
CA		4,873,264	10/10/1989	Chou et al.			
CA		4,920,135	04/24/1990	Wellings et al.			

## FOREIGN PATENT DOCUMENTS

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SERIAL NO.

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EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
CA	6,093,742	07/25/2000	Salituro et al.			
CA	6,207,715 B1	03/27/2001	Bloom et al.			
CA	6,255,349 B1	07/03/2001	Bloom et al.			
CA	6,268,387 B1	07/31/2001	Connor et al.			
CA	6,335,350 B1	01/01/2002	Bloom et al.			

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CA		4,338,257	07/06/1982	Patel			
CA		4,602,109	07/22/1986	Chou et al.			
CA		4,638,088	01/20/1987	Chou et al.			
CA		4,774,260	09/27/1988	Sirrenberg et al.			
CA		4,873,264	10/10/1989	Chou et al.			
CA		4,880,838	11/14/1989	Chou et al.			
CA		5,135,953	08/04/1992	Potter et al.			
CA		5,874,615	02/23/1999	Verbrugge et al.			
CA		US 2003/0125318 A1	07/03/2003	Alanine et al.			

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## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

CA	1	Ludovici, Donald W., et al., "Evolution of Anti-HIV Drug Candidates. Part 1: From Alpha-Anilinophenylacetamide (Alpha-APA) to Imidoyl Thiourea (ITU)", Bioorganic & Medicinal Chemistry Letters (2001), 11(17), 2225-2228
CA	2	Daugulis, O., et al., "N-(3-Acetyl-2,2-Dimethylcyclobutyl)Acetyl-N'-Alkyl(ARYL)Thioureas", Latvijas Kimijas Zurnals (1993), (6), 714-19

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CA	3	Schuster, Gottfried, et al., "Structurally Dependent Effects of Substituted Thioureas on the Concentration of Potato Virus X in Nicotiana tabacum L. "Samsun""", Zentralblatt fuer Bakteriologie, Parasitenkunde, Infektionskrankheiten und Hygiene, Abteilung 2, Naturwissenschaftliche: Mikrobiologie der Landwirtschaft, der Technologie und des Umweltschutzes (1978), 133(7-8), 686-9
CA	4	Mitin, N. I., et al., "Effect of Adamantine-Containing Compounds On Aujeszky's And Avian Influenza Disease Viruses", Fiziologicheskii Aktivnye Veshchestva (1977), 9, 31-5
CA	5	Mishra, Vibha, et al., "Synthesis Of Aryl Semicarbazone Of 4-aminoacetophenone And Their Anti-HIV Activity", Pharmaceutica Acta Helvetiae (1998), 73(4), 215-218
CA	6	Misra, Vinay S., et al., "Potential Antiviral And Antituberculous Compounds, II. N-(2-Dibenzothiophenyl)-N'-alkyl and N'-aryl Thioureas, N-(2-Dibenzothiophenyl) and N-(2-Dibenzothiophenyl-5-dioxide) Amidines", Journal fuer Praktische Chemie (Leipzig) (1967), 36(5-6), 256-9
CA	7	Praceus, C., et al., "Inhibition Of Vaccinia Virus In Vitro By Substituted Monophenylthioureas", Naturwissenschaften (1964), 51(4), 94-5 (with enlargements)
CA	8	Weinstein, Louis, et al., "Studies On The Antiviral Activity Of Urea Derivatives", Antibiotics and Chemotherapy (1957), 7 443-8
CA	9	Rashan, Luay J., et al., "Synthesis And Biological Evaluation Of N-Salicyloyl-N-Benzyl Thiourea And 2,2-Dimethyl-4-Oxo-6-Methoxy benzo-1,3-Dioxin", Farmaco (1991), 46(5), 677-83
CA	10	Bloom, Jonathan D., et al., "Thiourea Inhibitors Of Herpes Viruses. Part 1: Bis-(aryl)Thiourea Inhibitors Of CMV", Bioorganic & Medicinal Chemistry Letters 13 (2003) 2929-2932
CA	11	Rasmussen, C.R., et al., "Improved Procedures For The Preparation Of Cycloalkyl-, Arylalkyl-, and Arylthioureas", Department of Chemical Research, Janssen Research Foundation, June 1988, 456-459
CA	12	JP61106551, Diphenyl Ether Derivative, Its Preparation, Insecticide Containing Same As An Active Ingredient (abstract)
CA	13	JP56025148, N-Benzoyl-N'-Phenoxyphenylurea-Based Compound, Andinsecticide Comprising It (abstract)
CA	14	CN1183409 Insecticidal Acaricidal Pyrazoles Compounds And Preparation Thereof (abstract)

  

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